Hydrological Memorandum No. 44

Maps of average monthly rainfall over the British Isles for 1941-70

by K.E. Woodley

INTRODUCTION

This booklet contains two sets of maps of average monthly rainfall related to the 30-year period 1941–70:

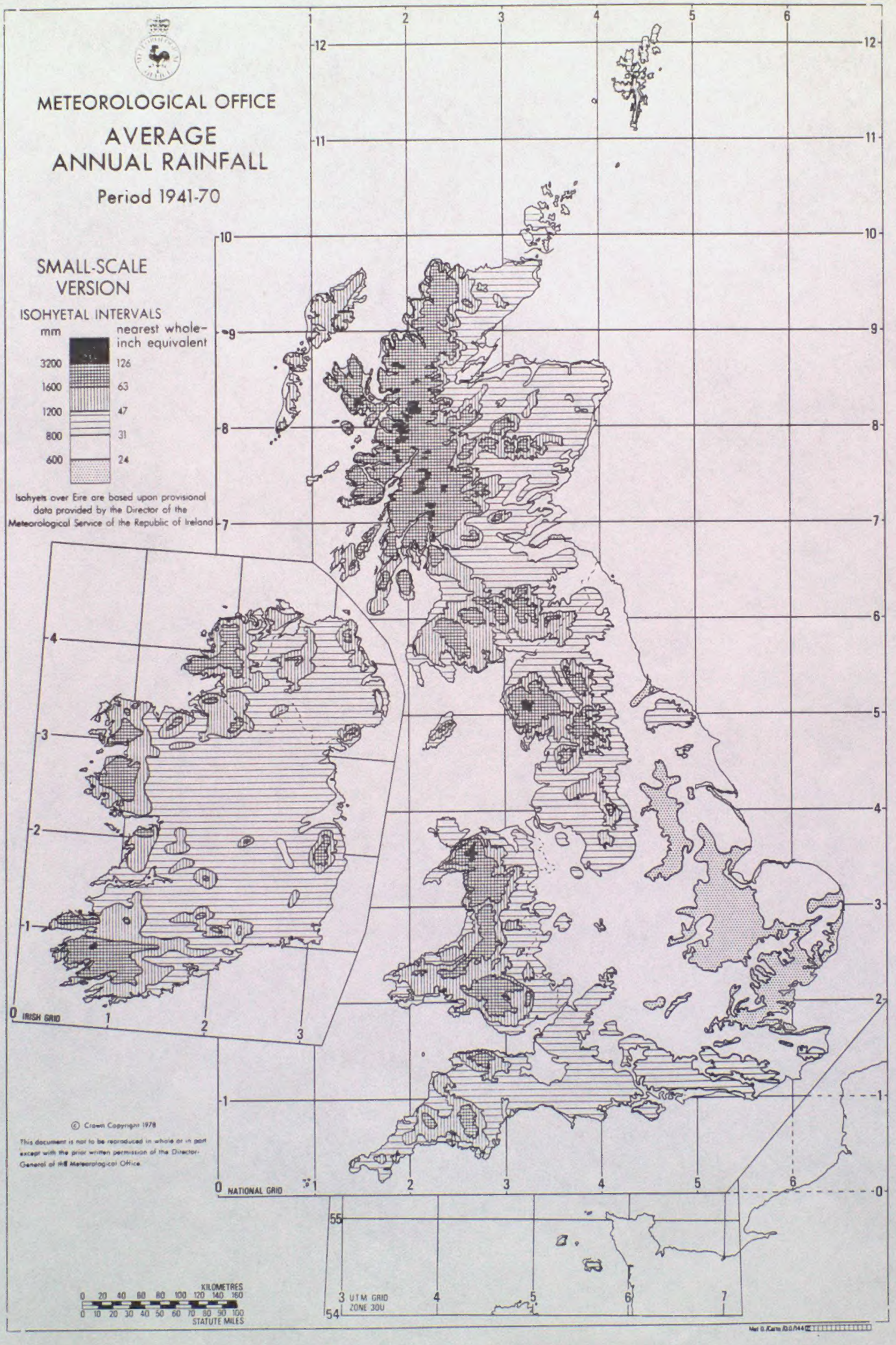
1. Rainfall in millimetres for each of the twelve months, January to December.
2. Rainfall for each of the twelve months, January to December, expressed as the percentage of the average annual rainfall.

   Additionally, in this set, a map is included showing the rainfall over the hydrometeorological summer half-year, April to September inclusive, also expressed as the percentage of the average annual rainfall.

In view of the scale of reproduction of these maps, the data have necessarily had to be simplified. Isopleths have been smoothed, and very small areas encircled by isopleths have either been omitted if widely separated, or merged into a single larger area if very close together.

The mapped data over the Irish Republic are based upon information provided by the Meteorological Service of the Irish Republic.

Met O 8 (Hydrometeorological Services)
December 1980 (Reprinted October 1981)



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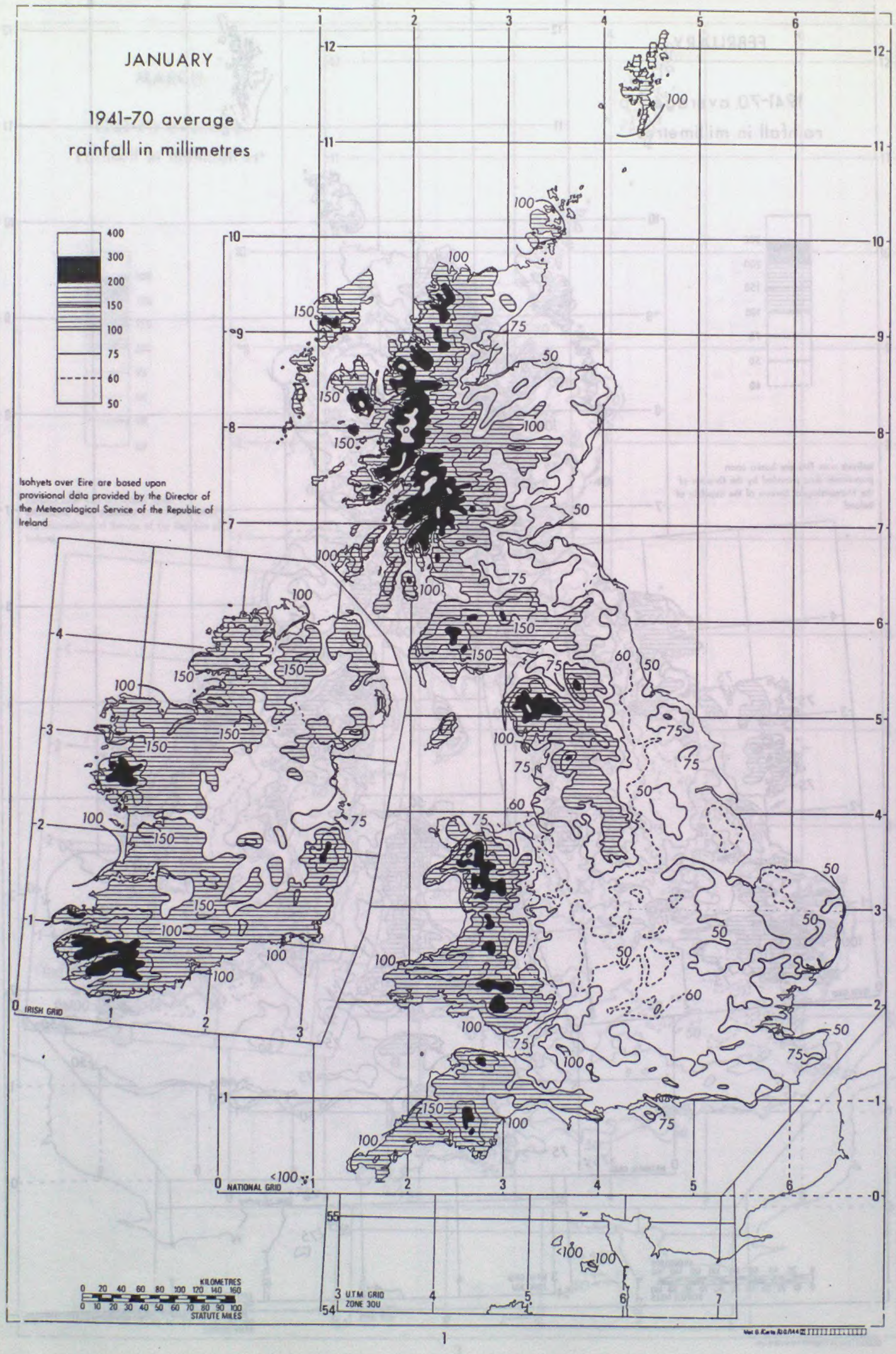
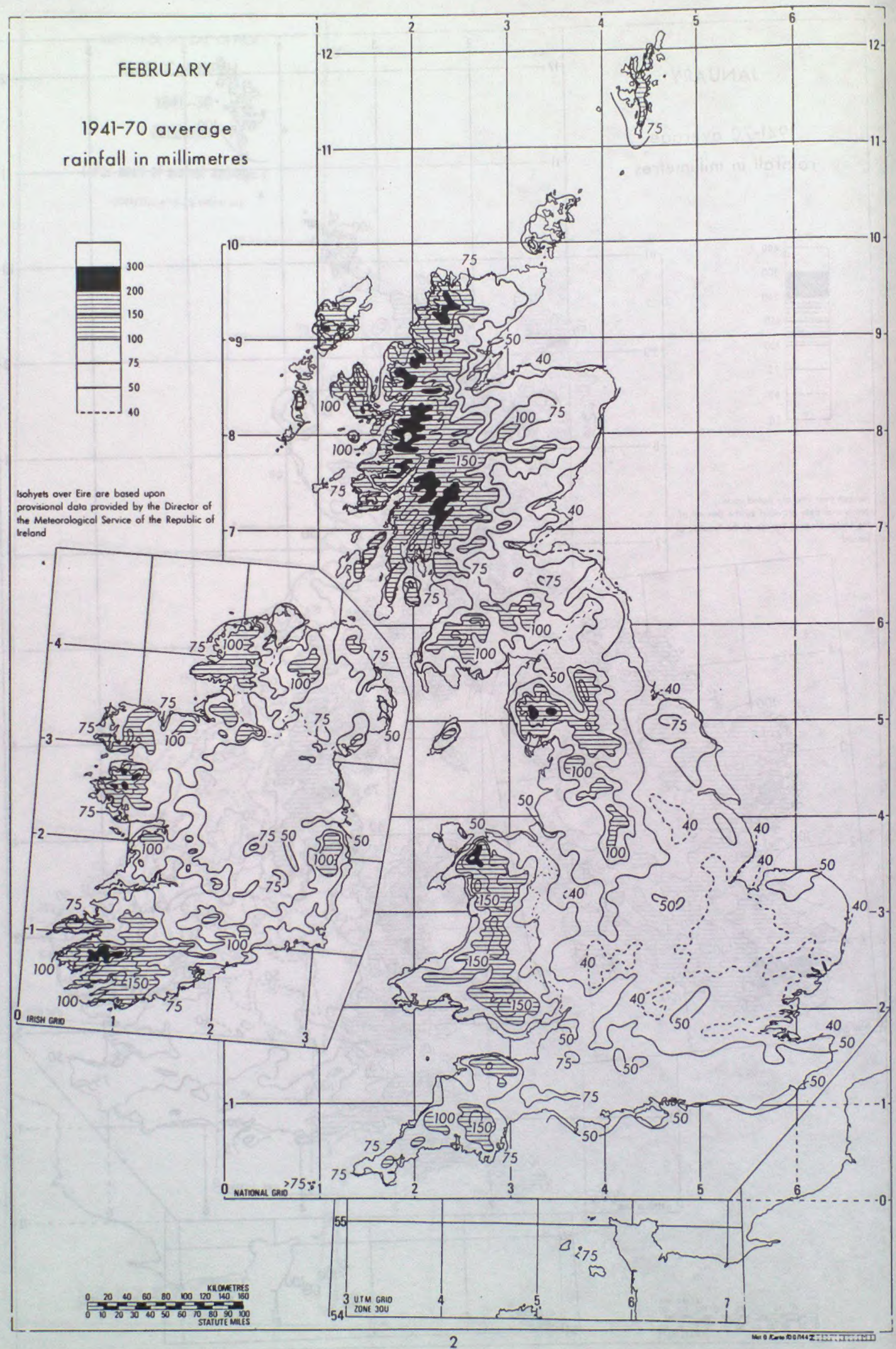
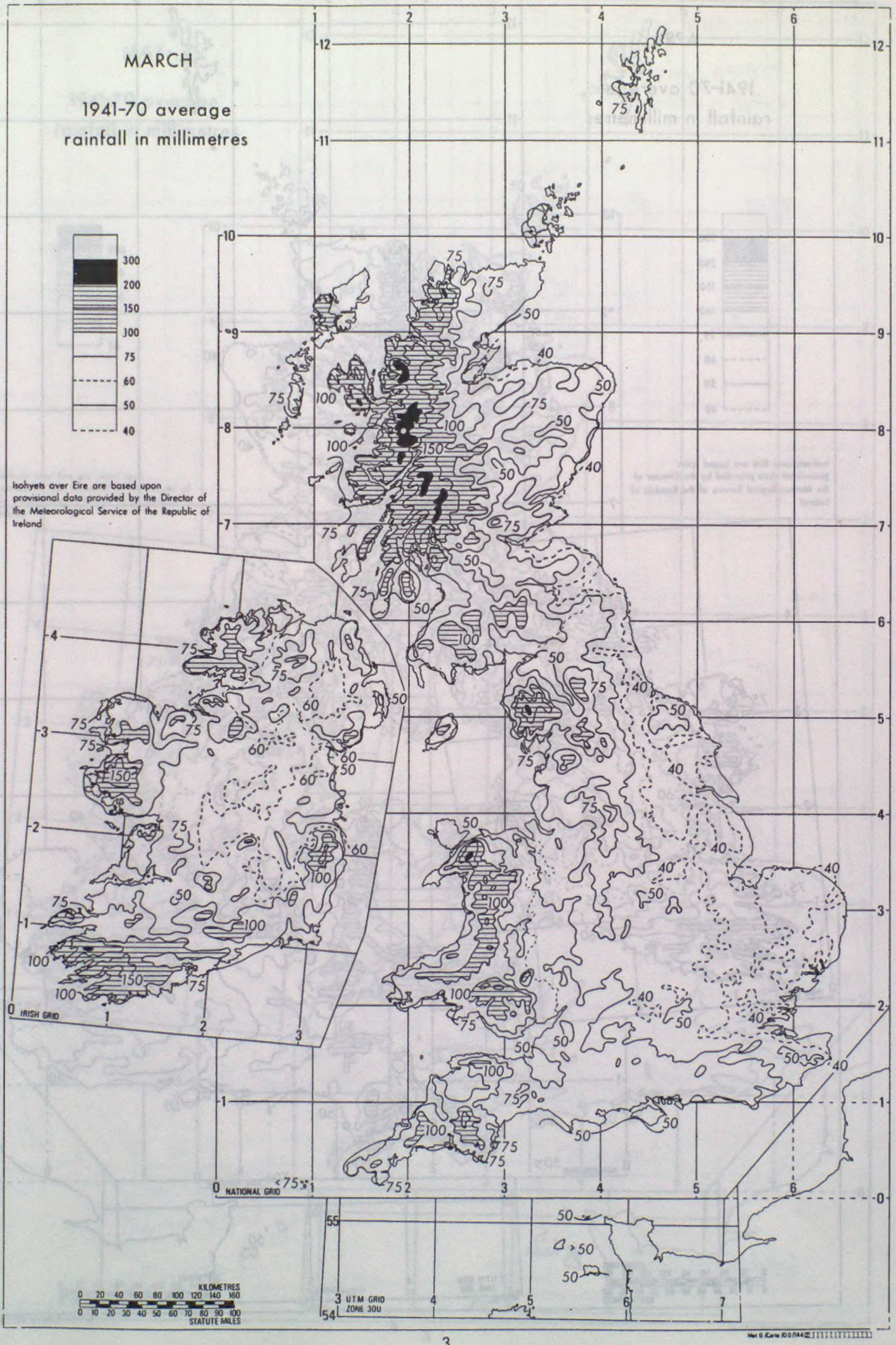
JANUARY

1941-70 average rainfall in millimetres




FEBRUARY
1941-70 average
rainfall in millimetres
300
200
150
100
75
50
40
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


MARCH
1941-70 average
rainfall in millimetres
300
200
150
100
75
60
50
40
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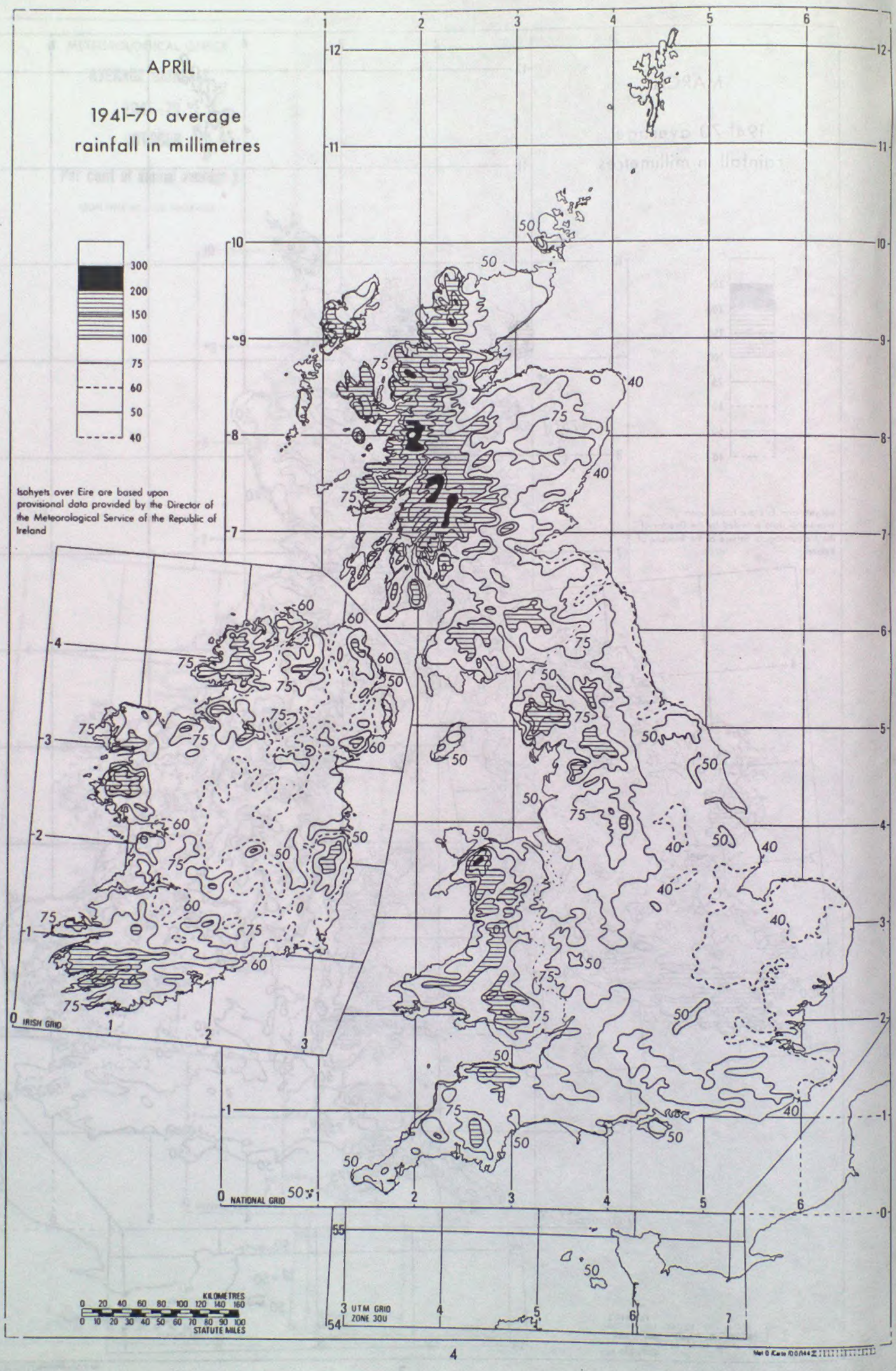
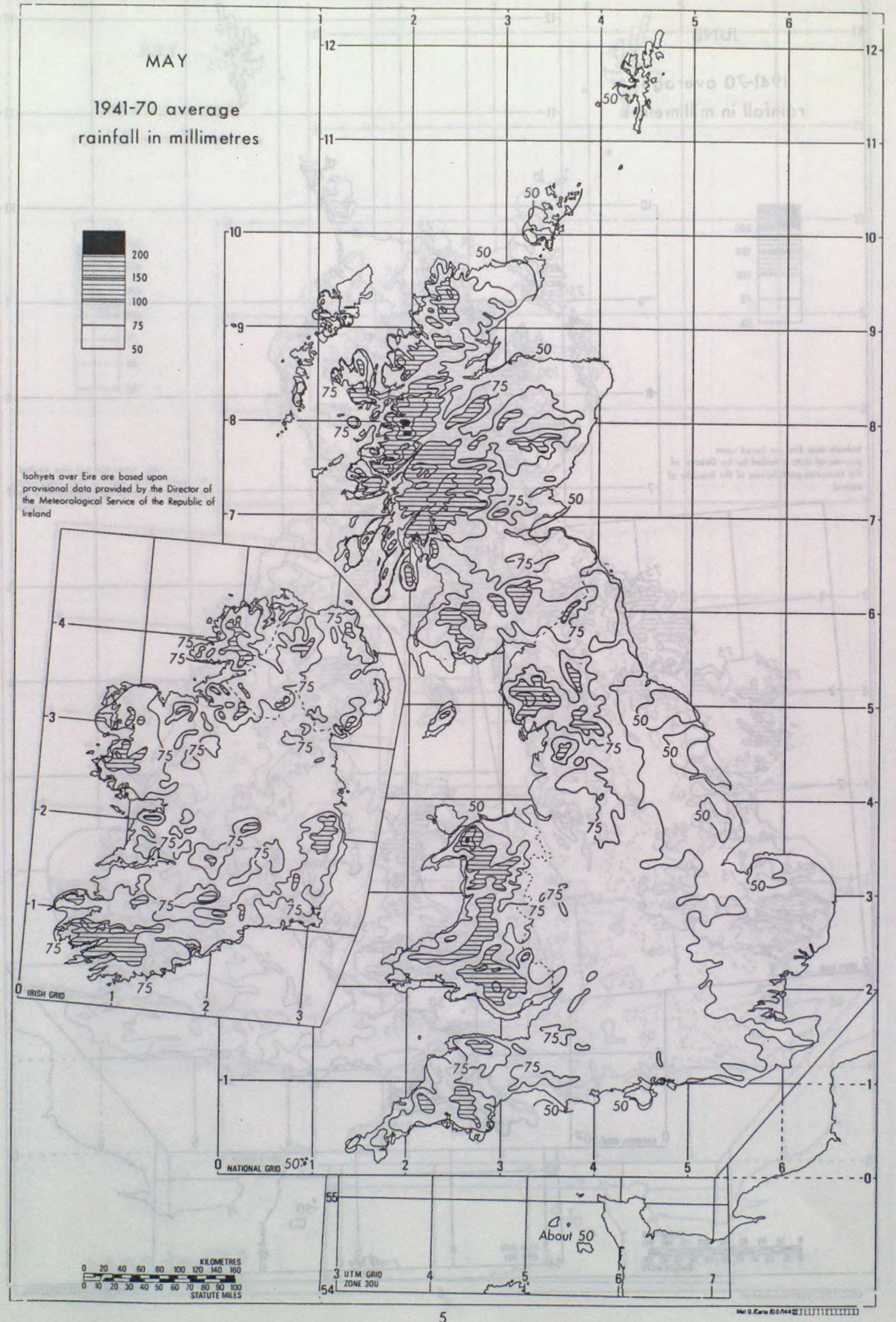
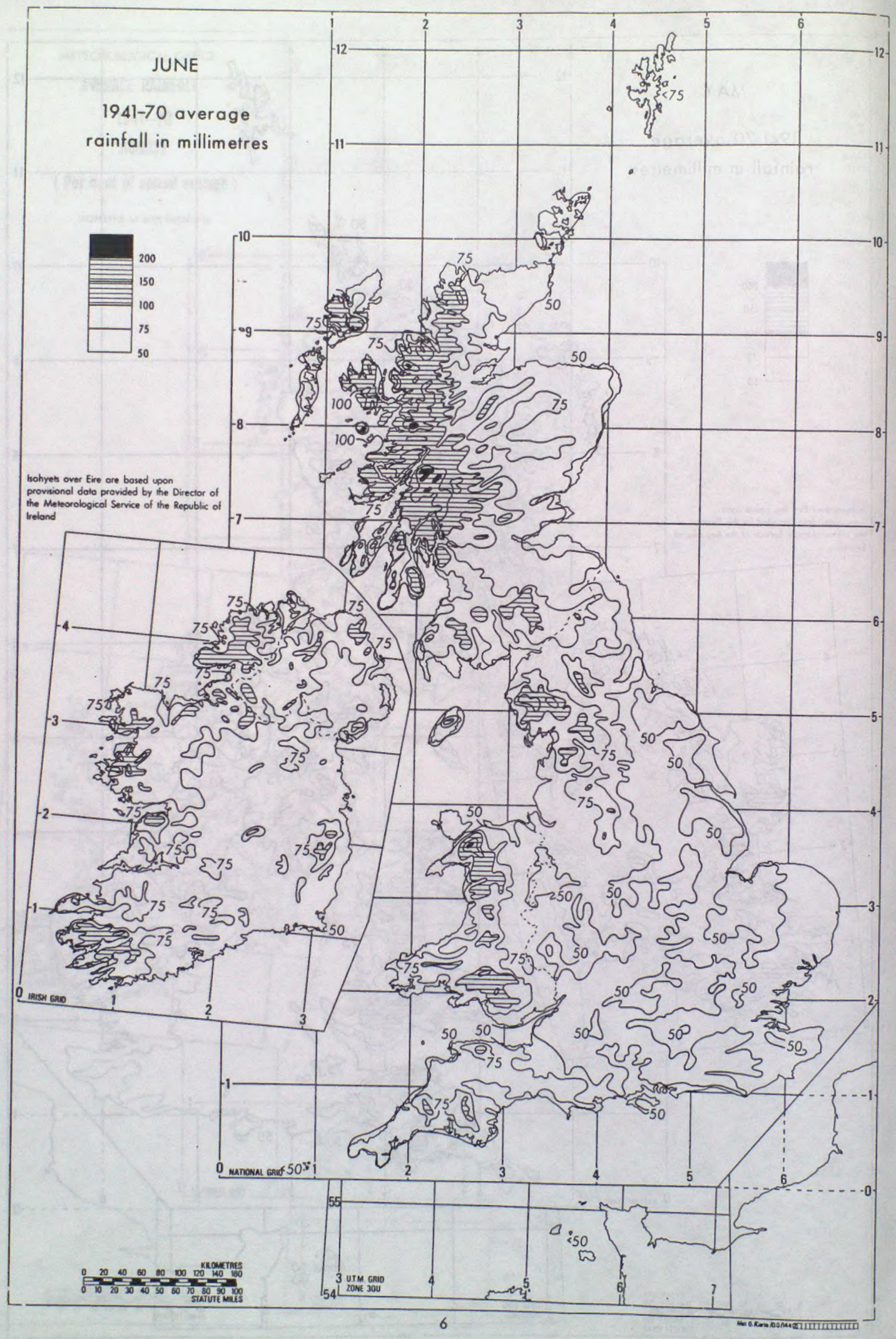
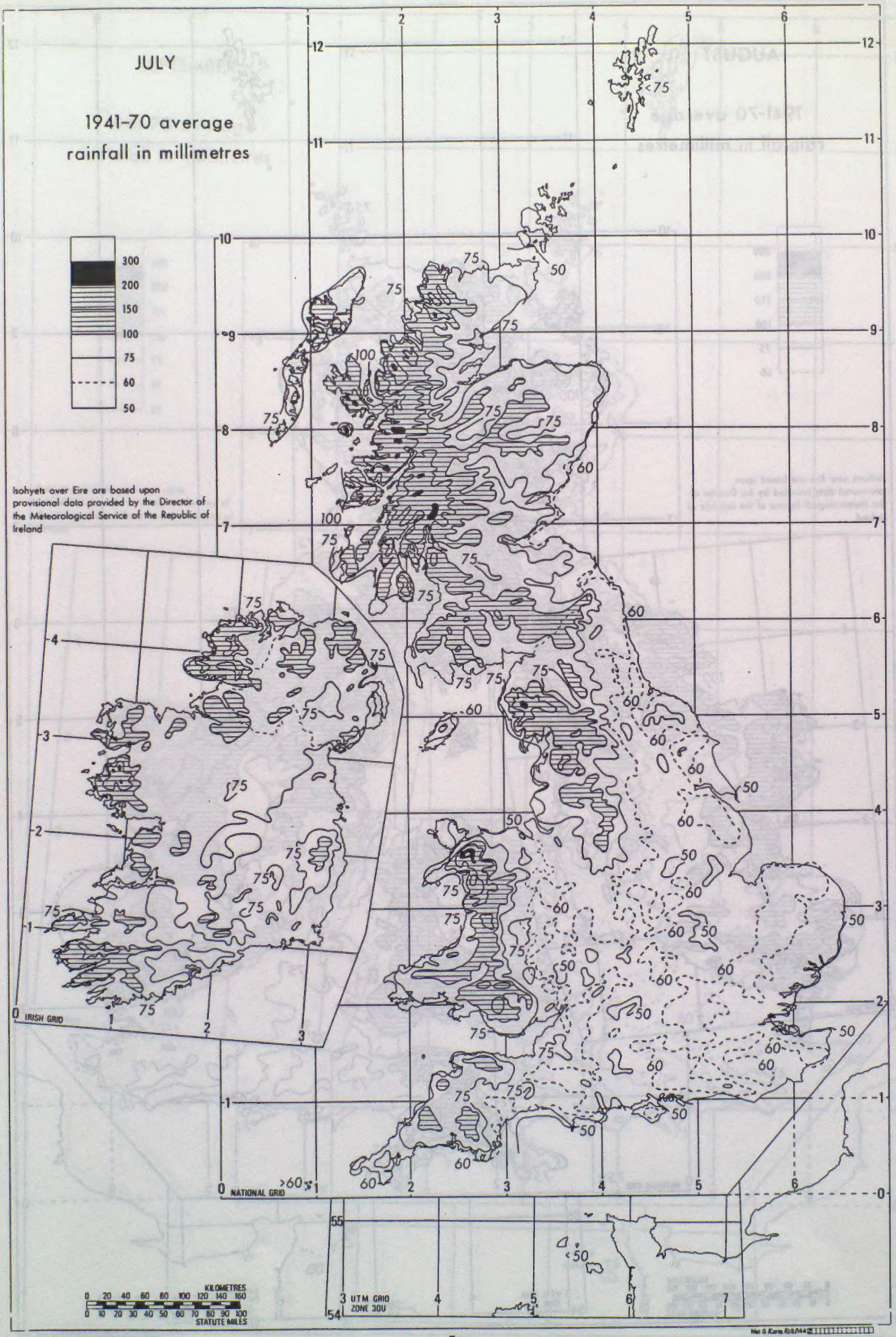
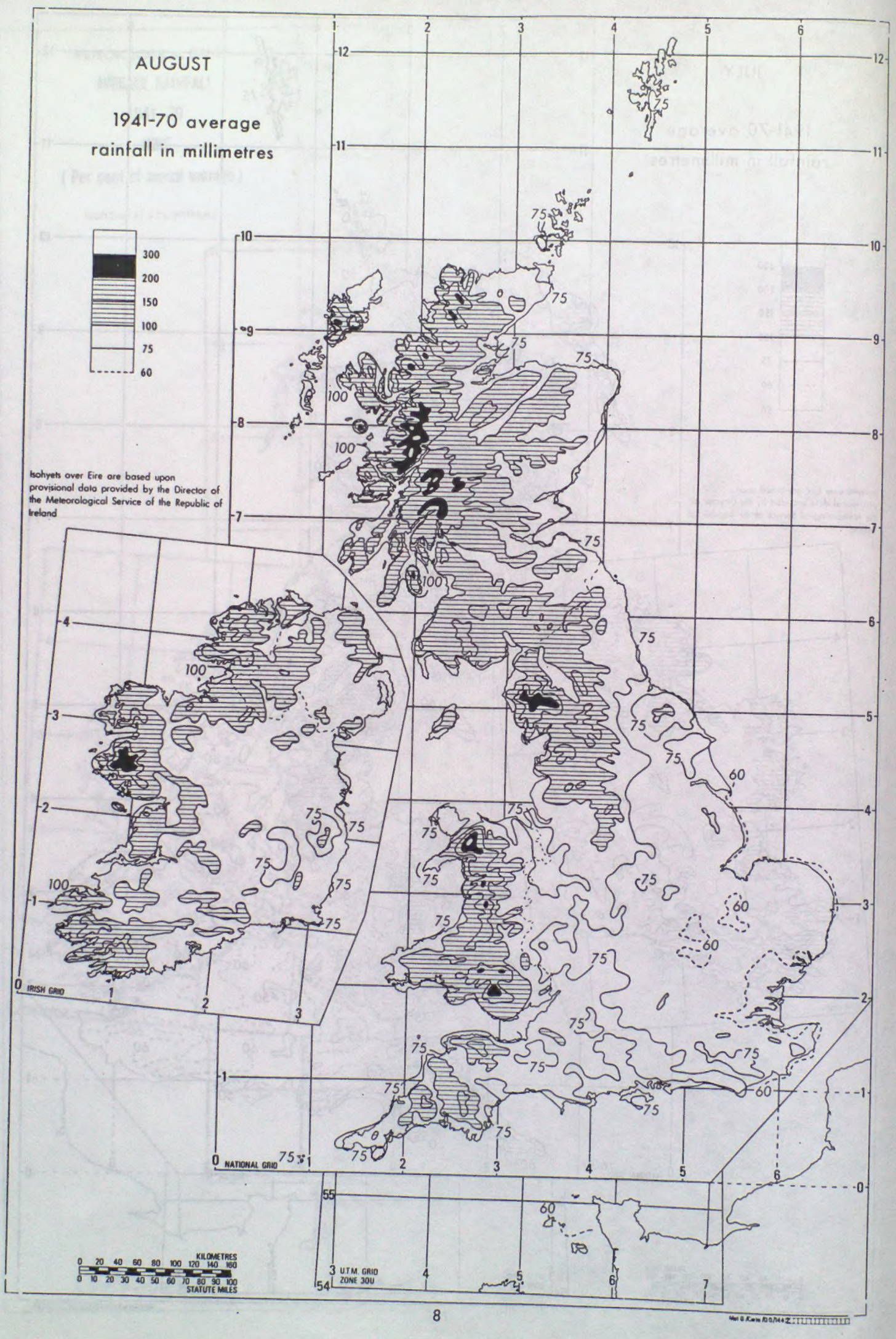
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

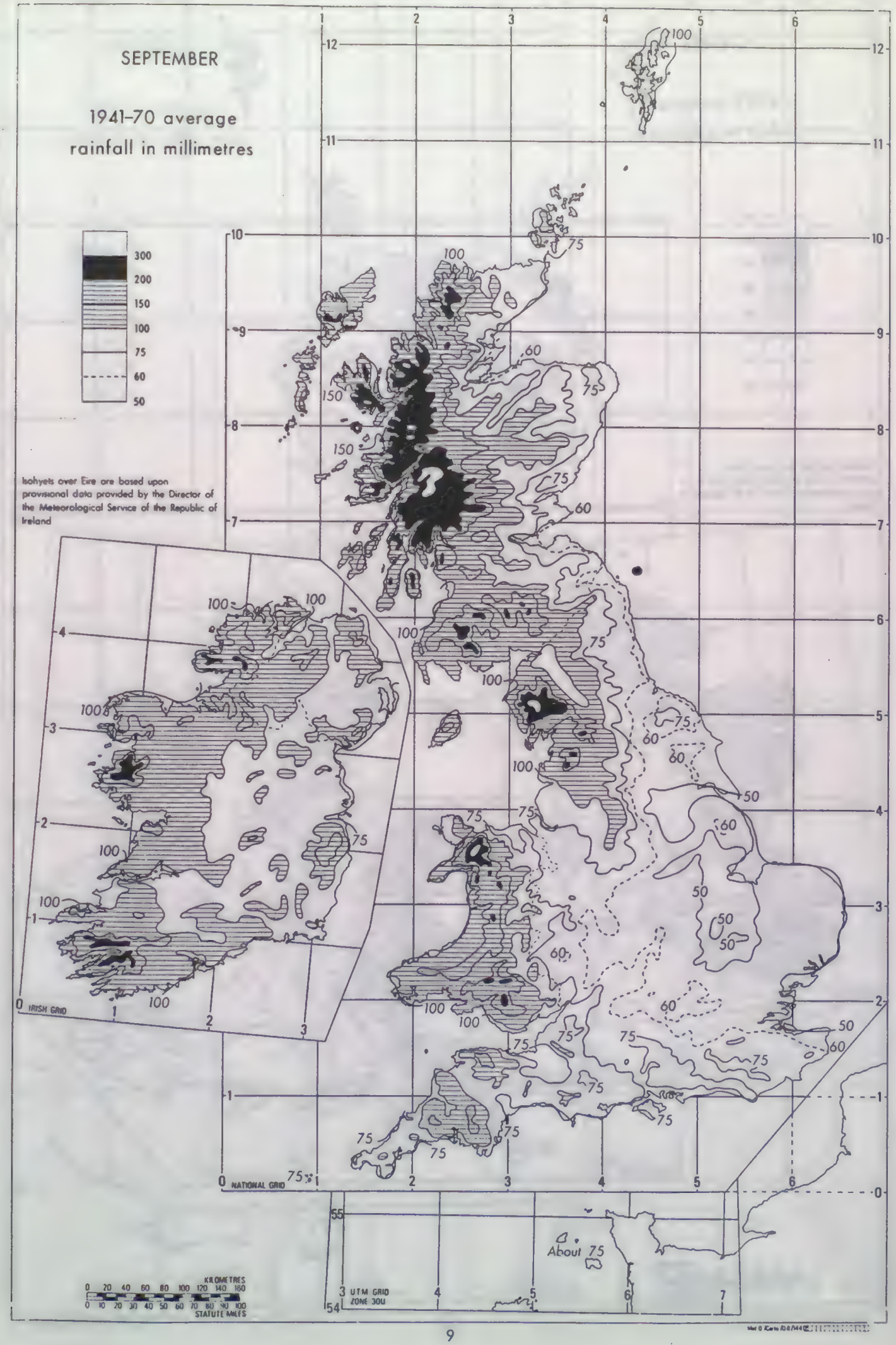

APRIL
1941–70 average
rainfall in millimetres
300
200
150
100
75
60
50
40
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

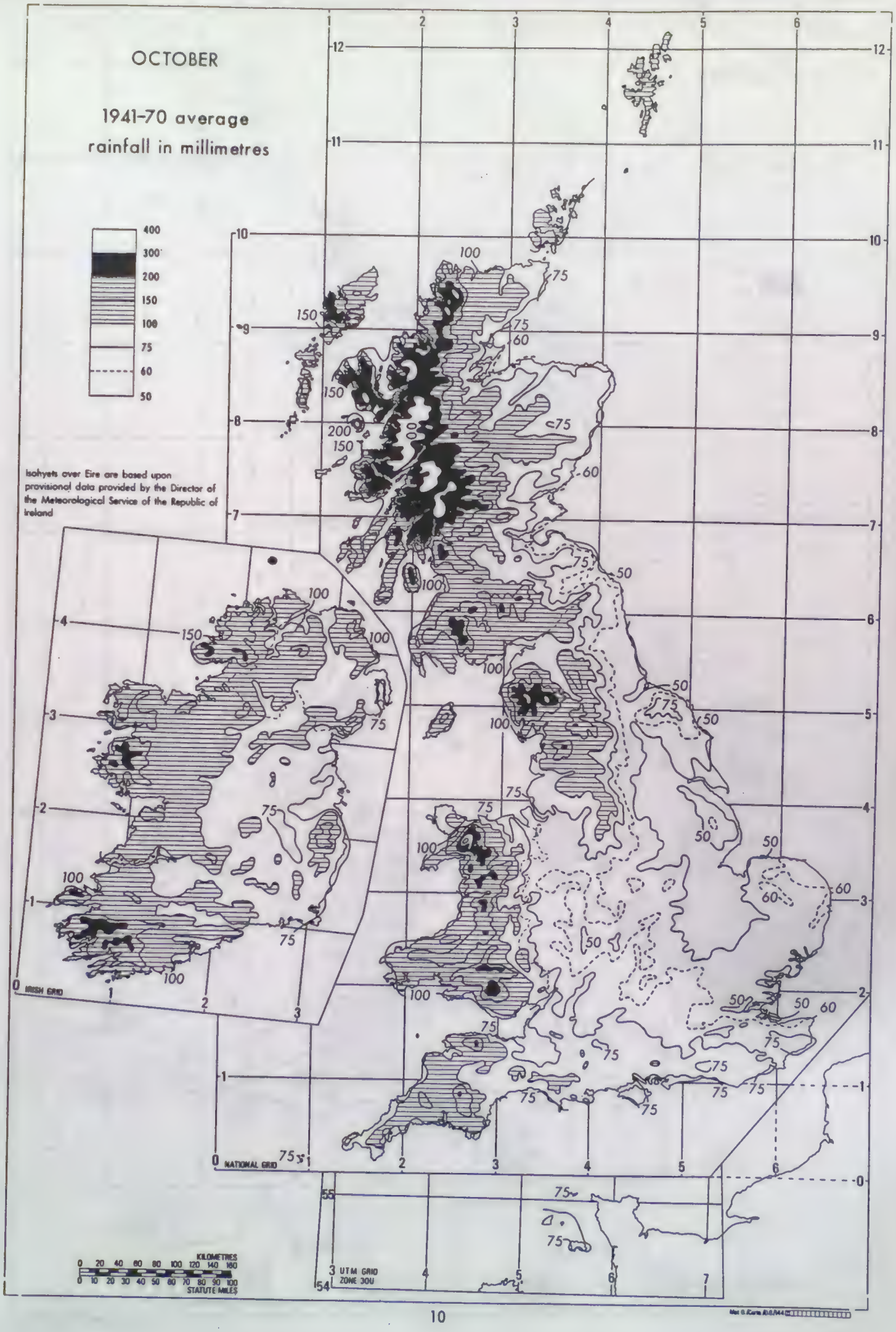

MAY
1941-70 average rainfall in millimetres
200
150
100
75
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
About 50
KILOMETRES
STATUTE MILES

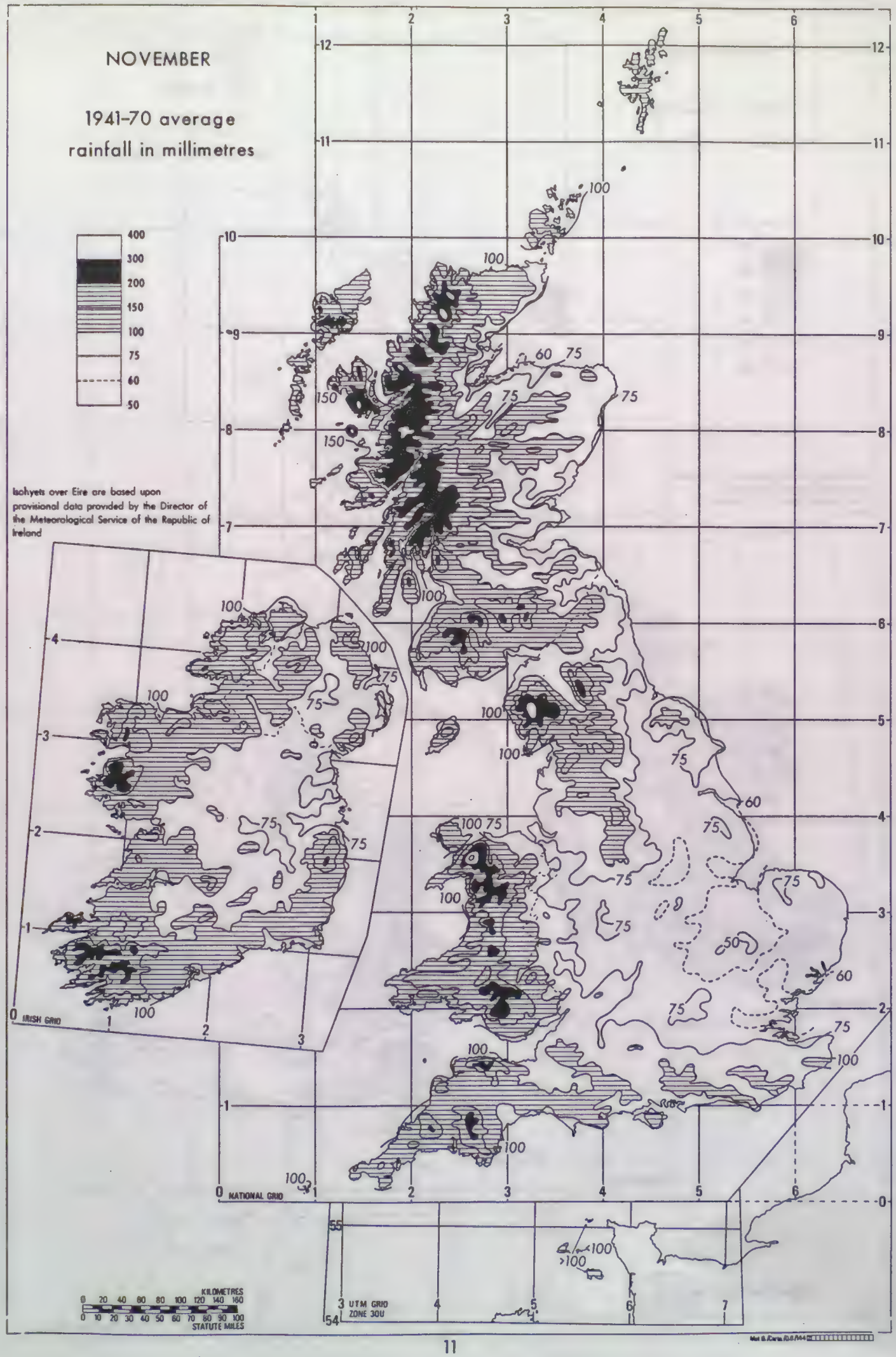

JUNE
1941–70 average
rainfall in millimetres
200
150
100
75
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

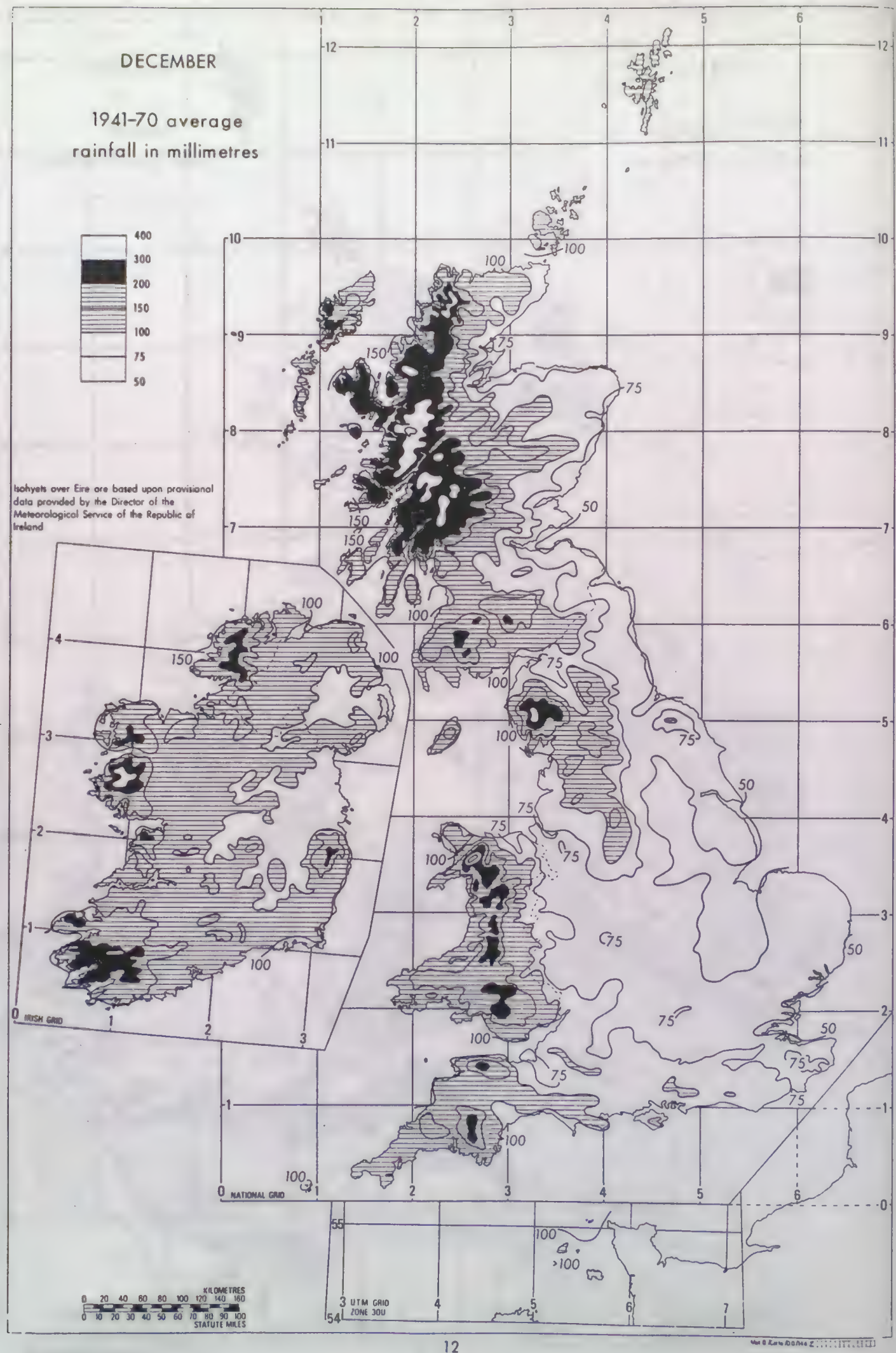

JULY
1941–70 average
rainfall in millimetres
300
200
150
100
75
60
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES

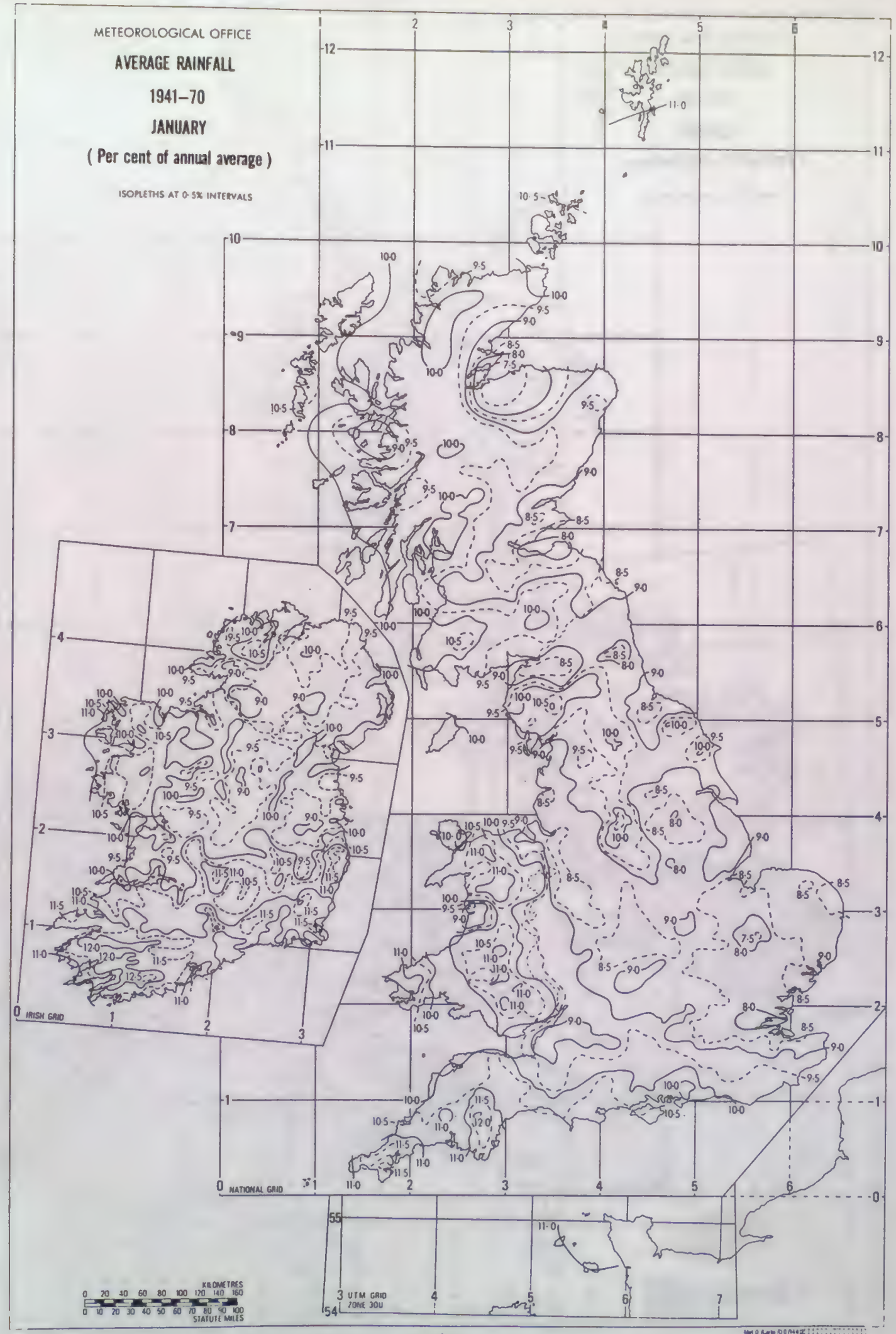

AUGUST
1941-70 average rainfall in millimetres
300
200
150
100
75
60
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
U.T.M. GRID ZONE 30U
KILOMETRES
STATUTE MILES

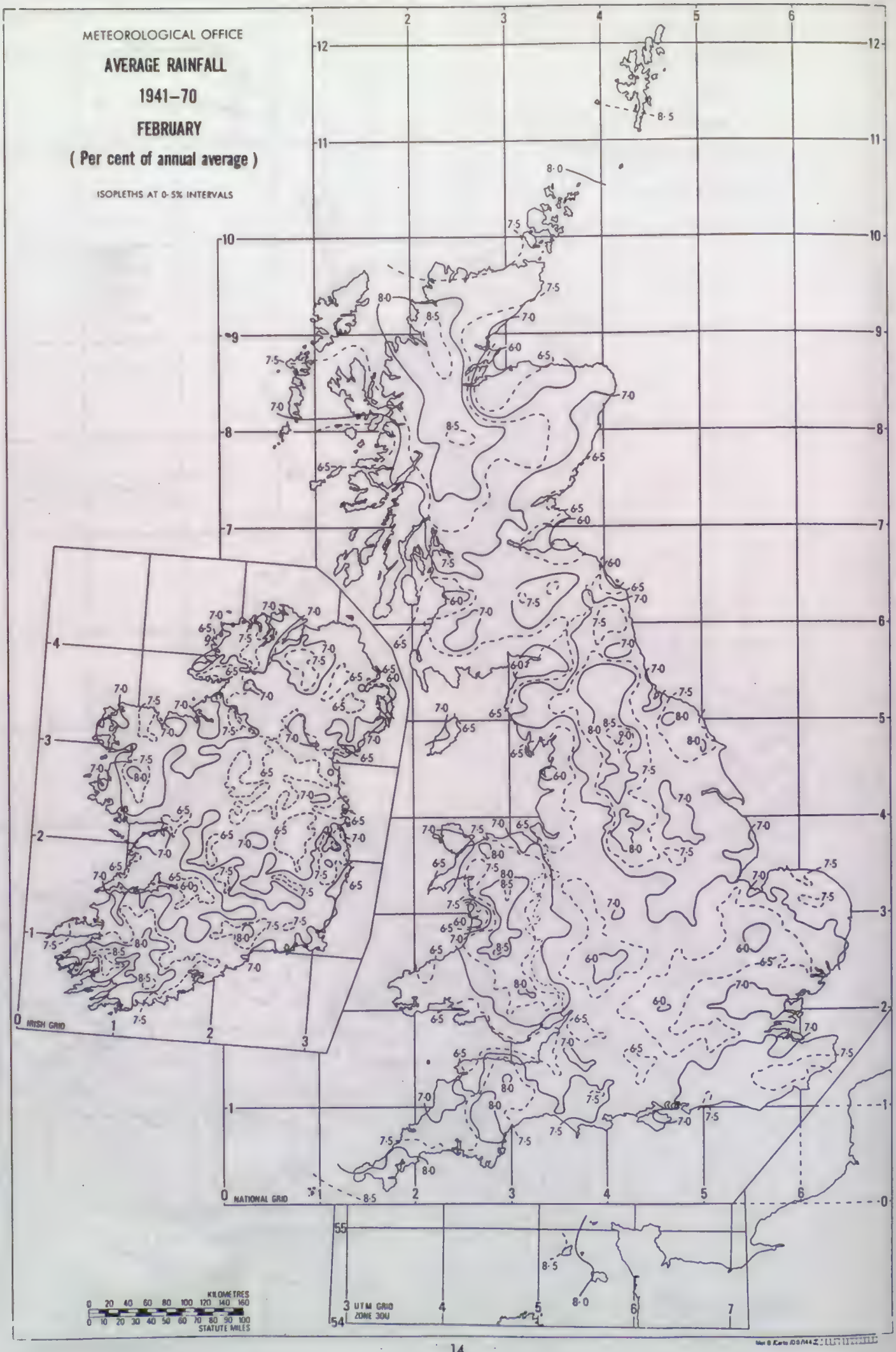

SEPTEMBER
1941–70 average
rainfall in millimetres
300
200
150
100
75
60
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
About 75
KILOMETRES
STATUTE MILES


OCTOBER
1941–70 average
rainfall in millimetres
400
300
200
150
100
75
60
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
STATUTE MILES


NOVEMBER
1941–70 average
rainfall in millimetres
400
300
200
150
100
75
60
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
STATUTE MILES


DECEMBER
1941–70 average
rainfall in millimetres
400
300
200
150
100
75
50
Isohyets over Eire are based upon provisional data provided by the Director of the Meteorological Service of the Republic of Ireland
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
JANUARY
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
FEBRUARY
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
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ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
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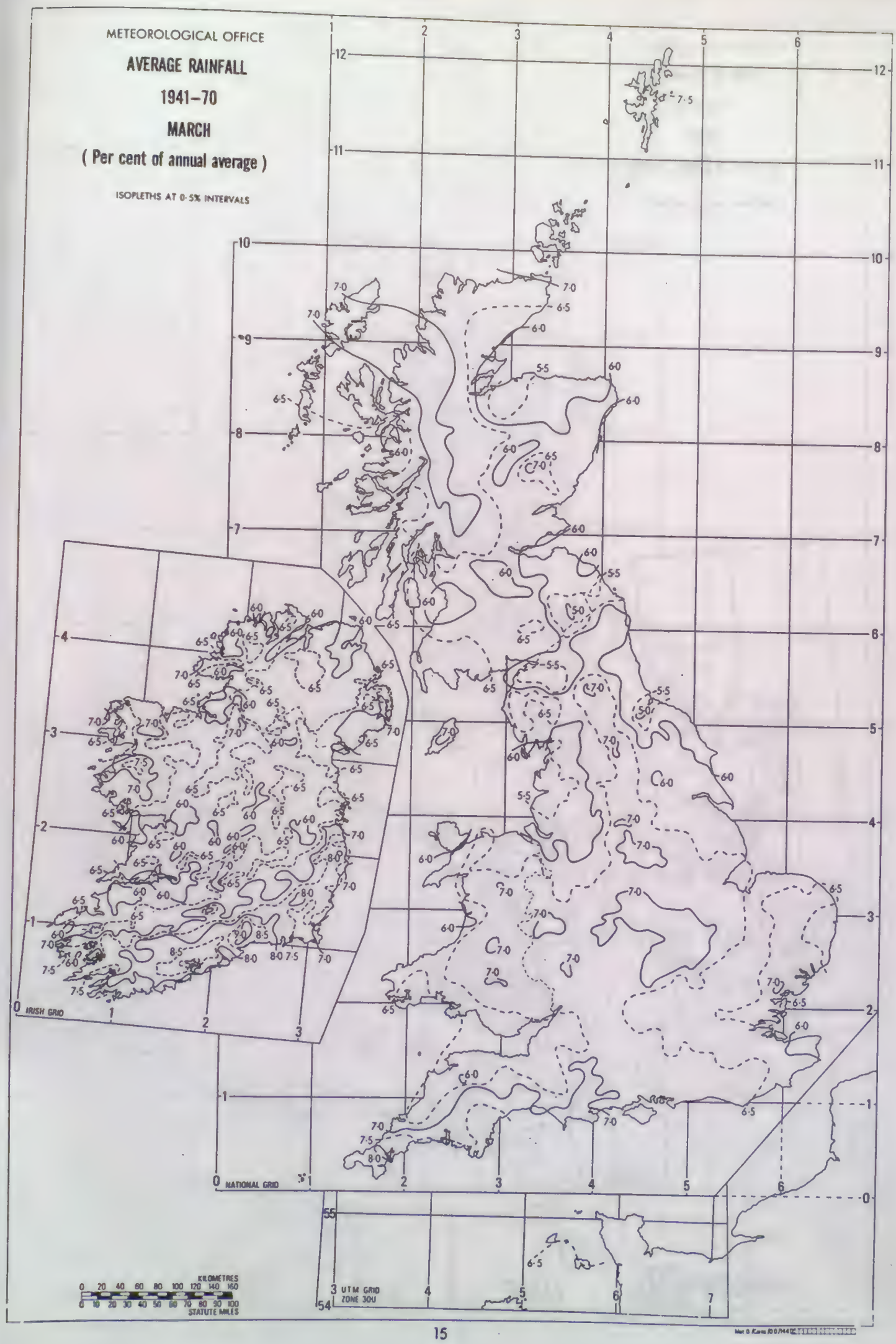
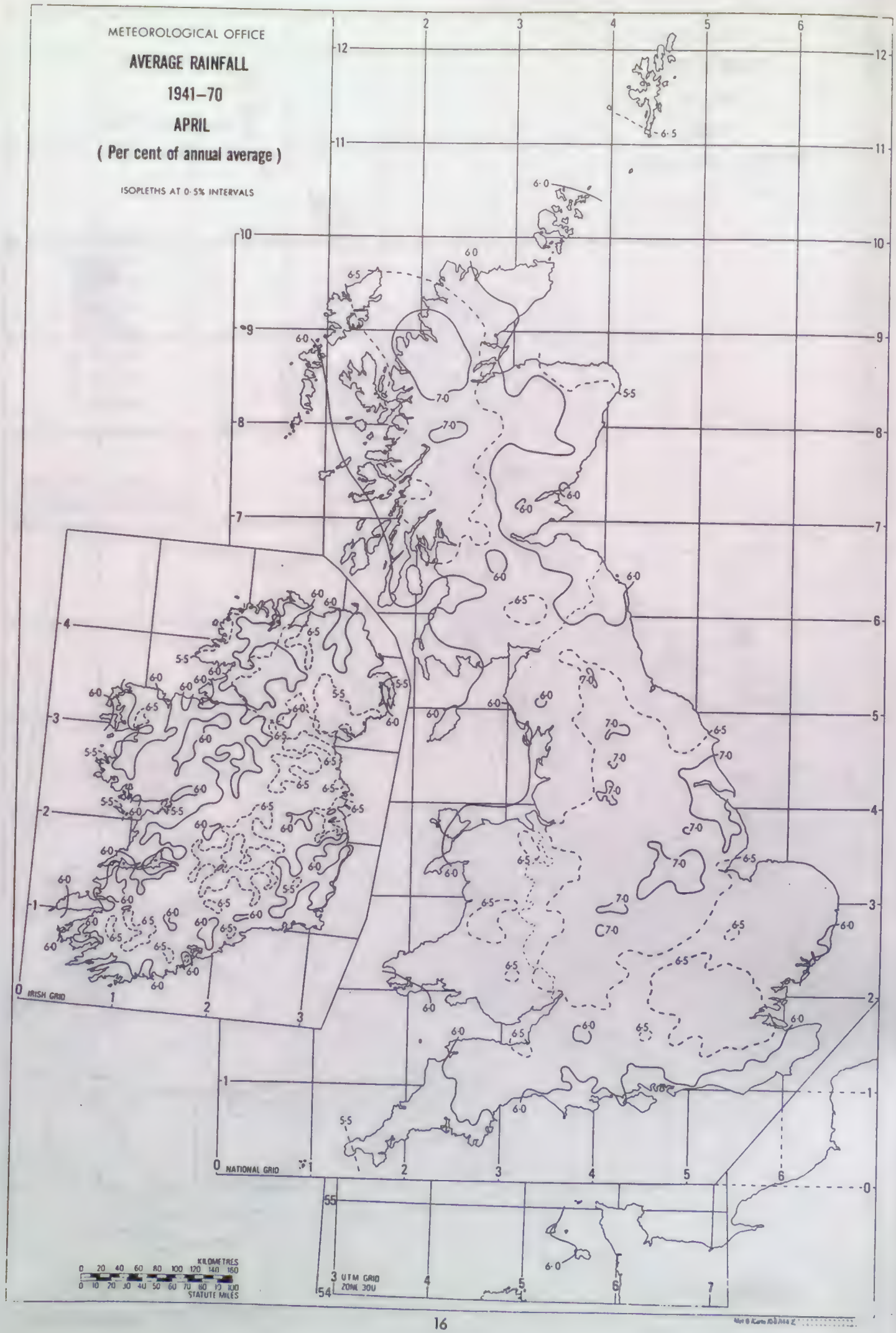
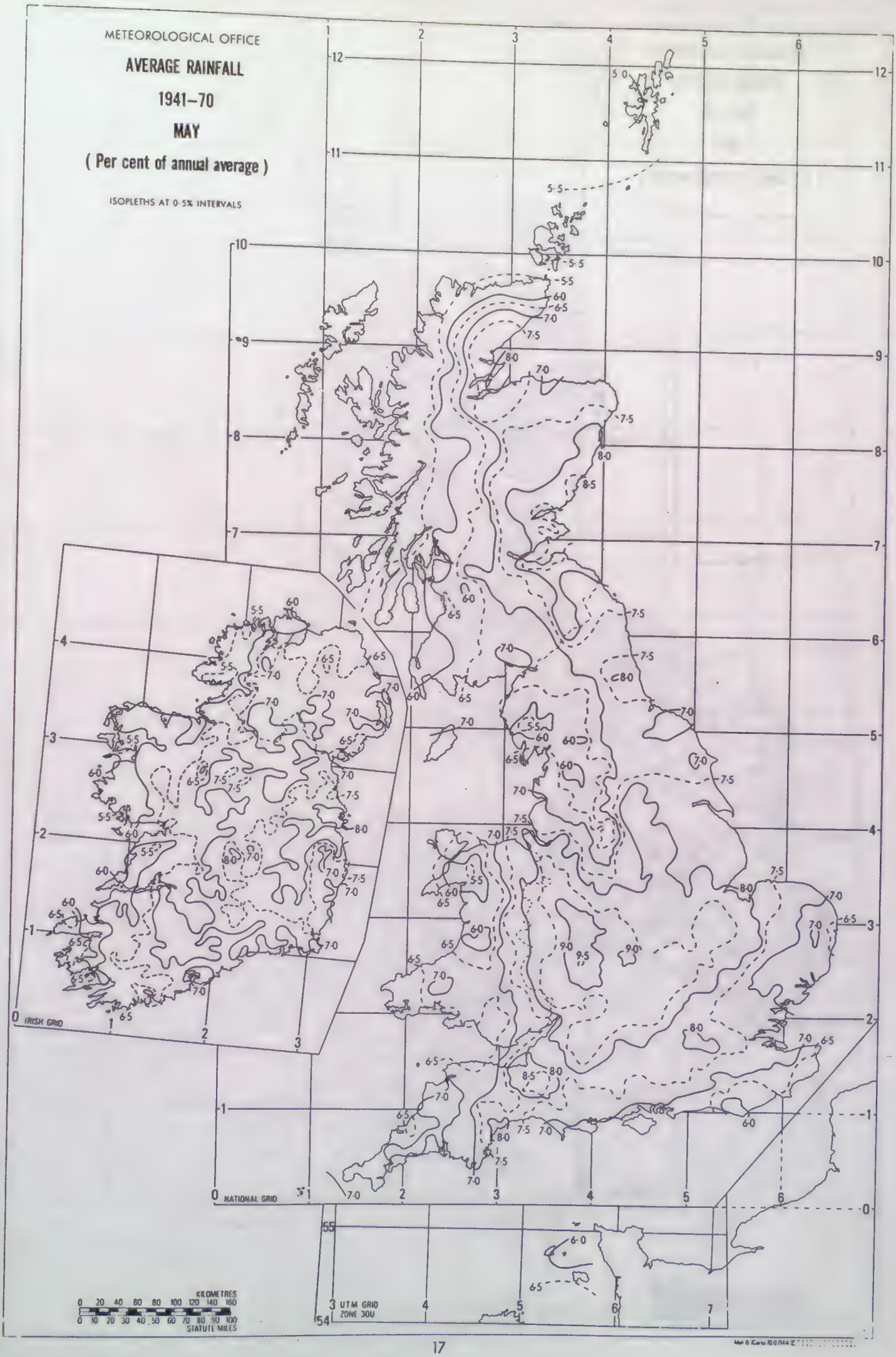
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
MARCH
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
STATUTE MILES
0 10 20 30 40 50 60 70 80 90 100


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
APRIL
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
STATUTE MILES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AVERAGE RAINFALL
1941–70
MAY
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
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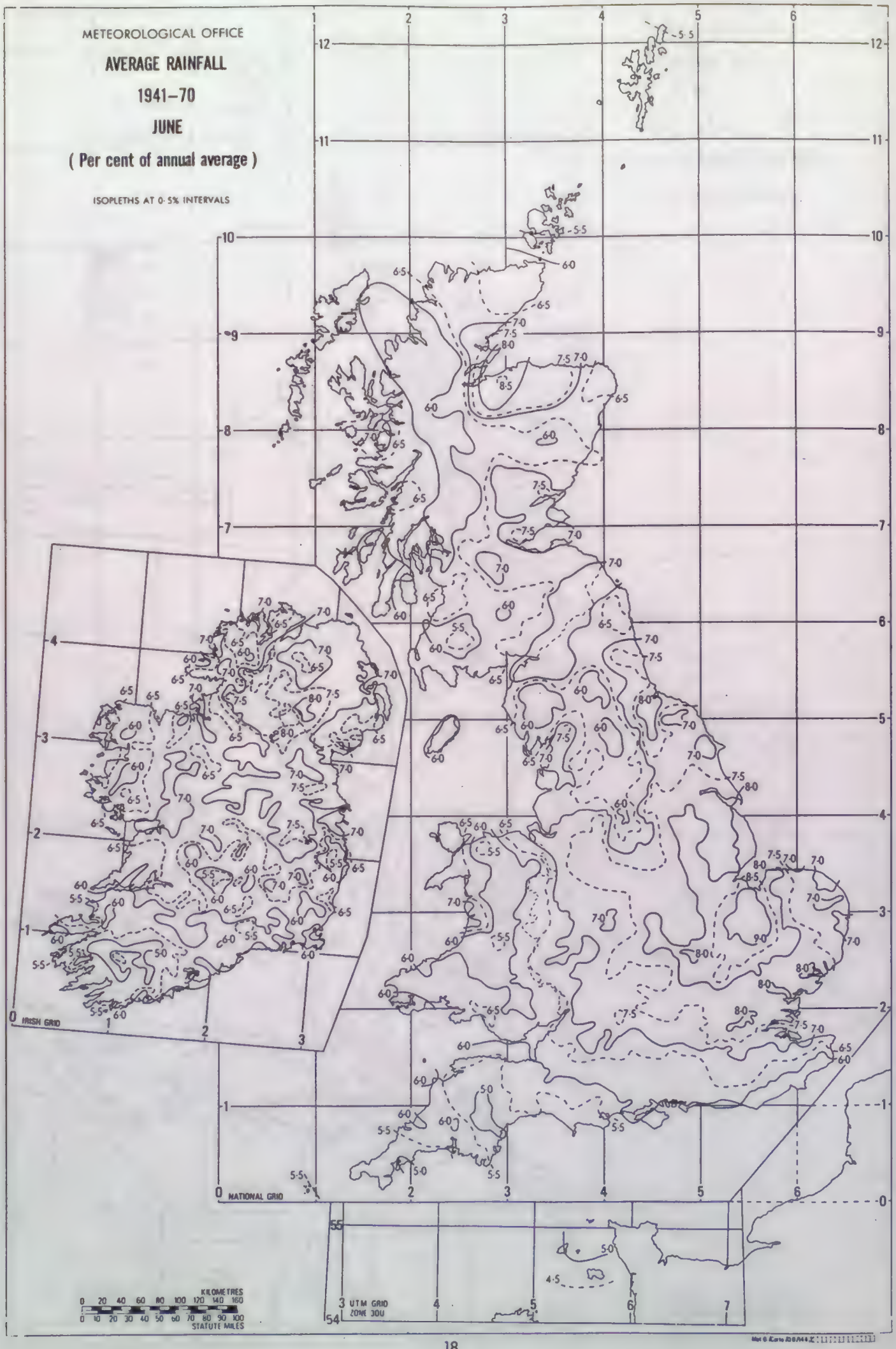
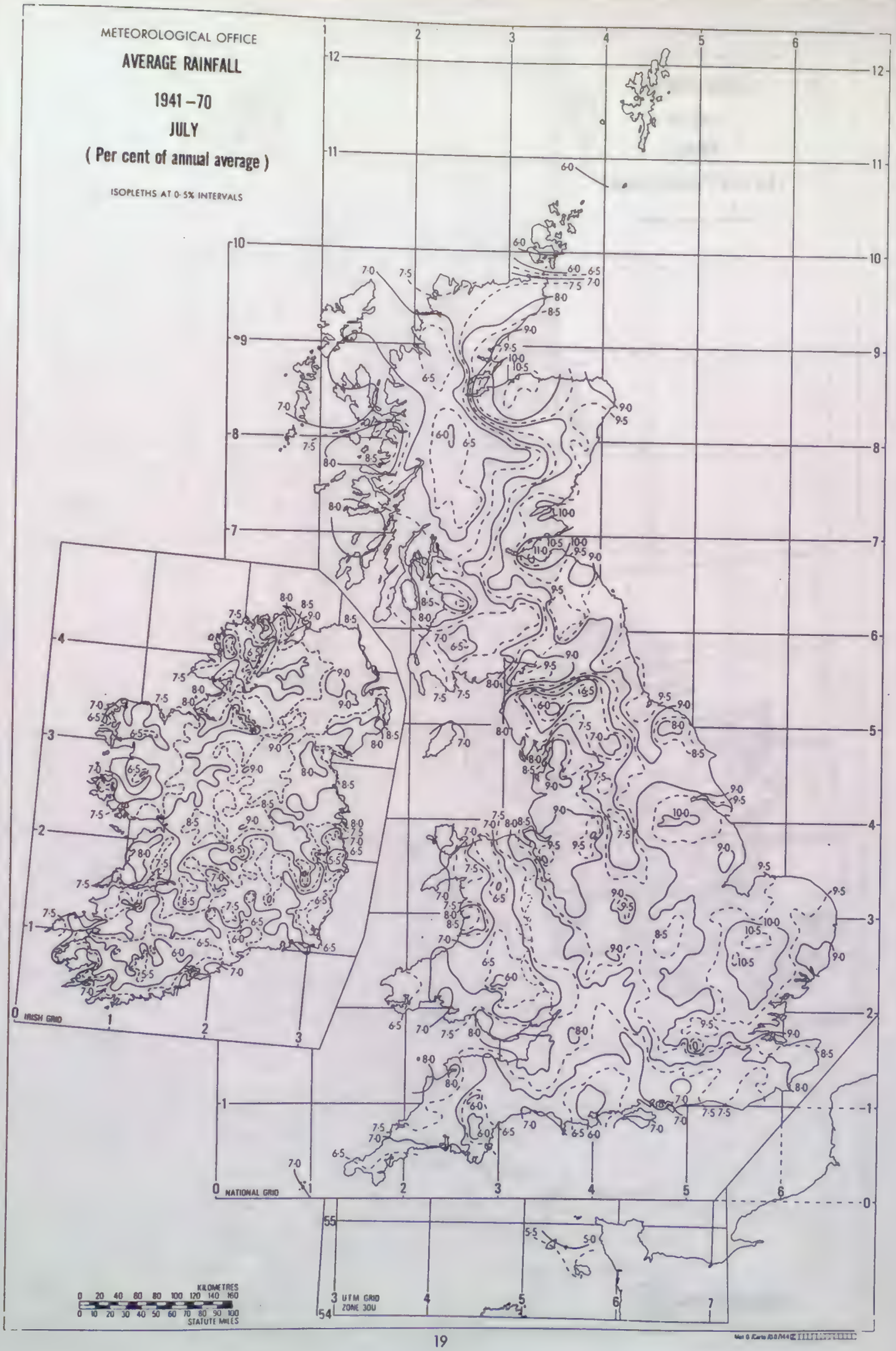
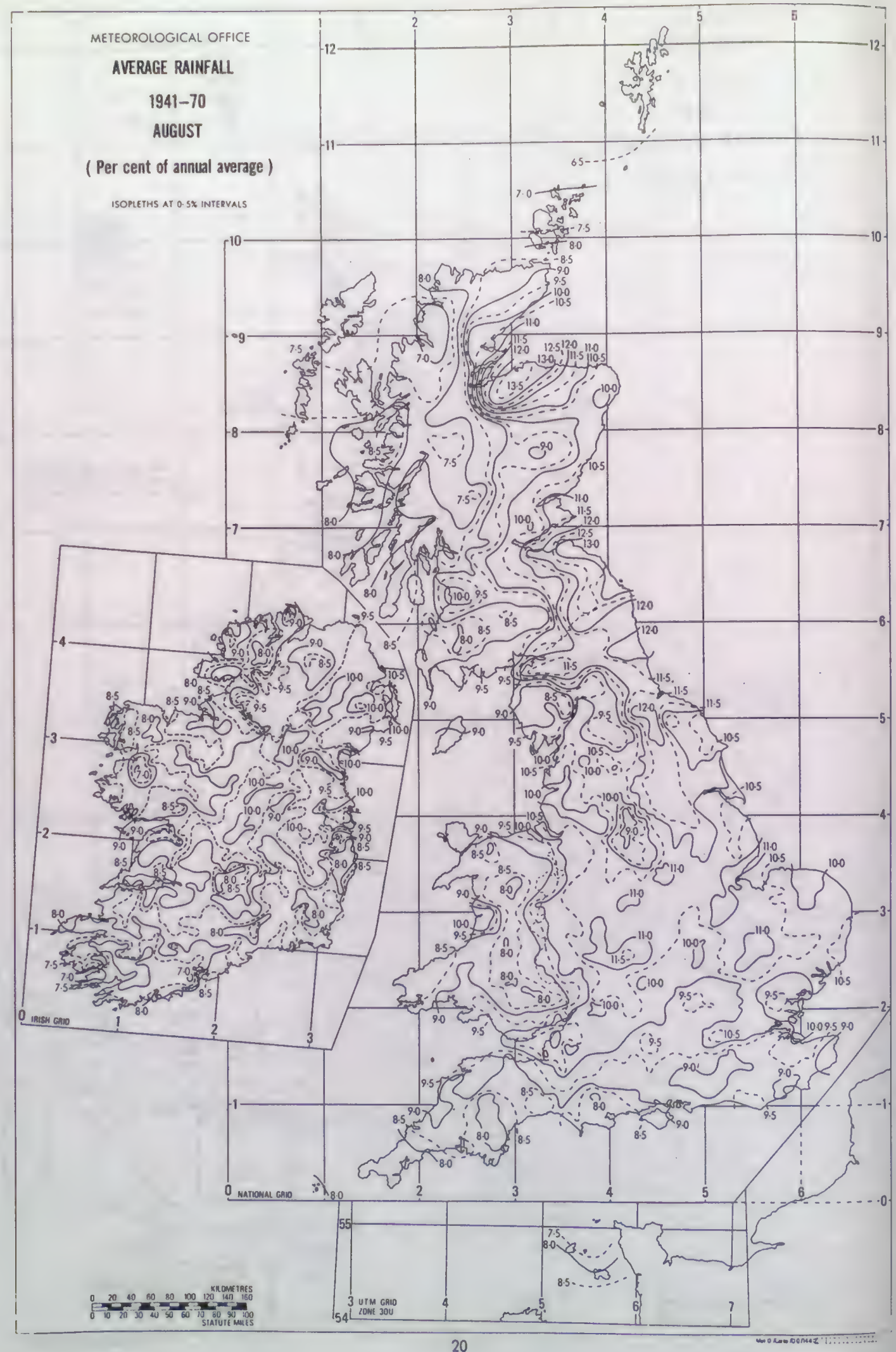

METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
JUNE
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID
ZONE 30U
KILOMETRES
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
JULY
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
AUGUST
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
STATUTE MILES

METEOROLOGICAL OFFICE

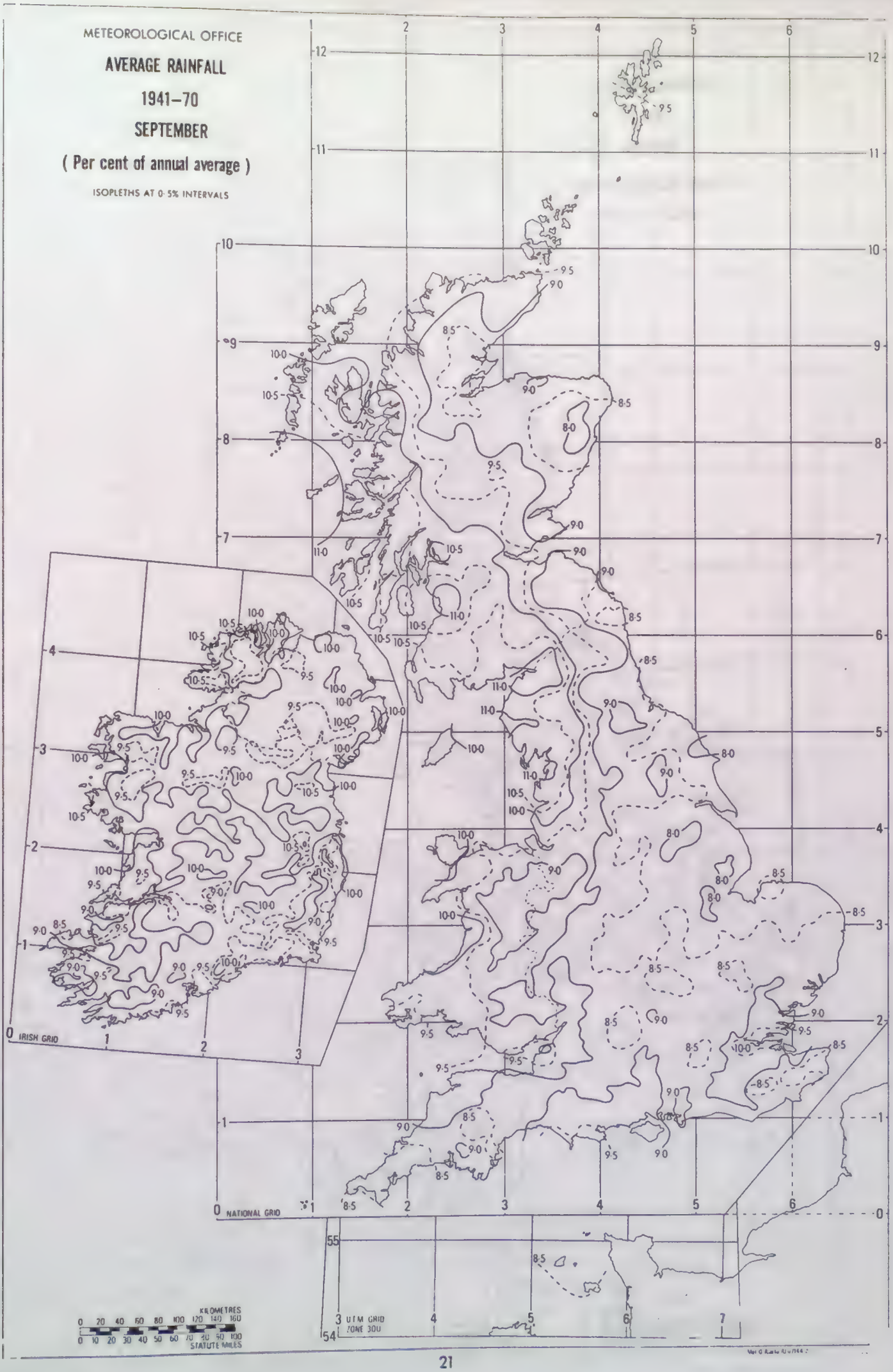
AVERAGE RAINFALL

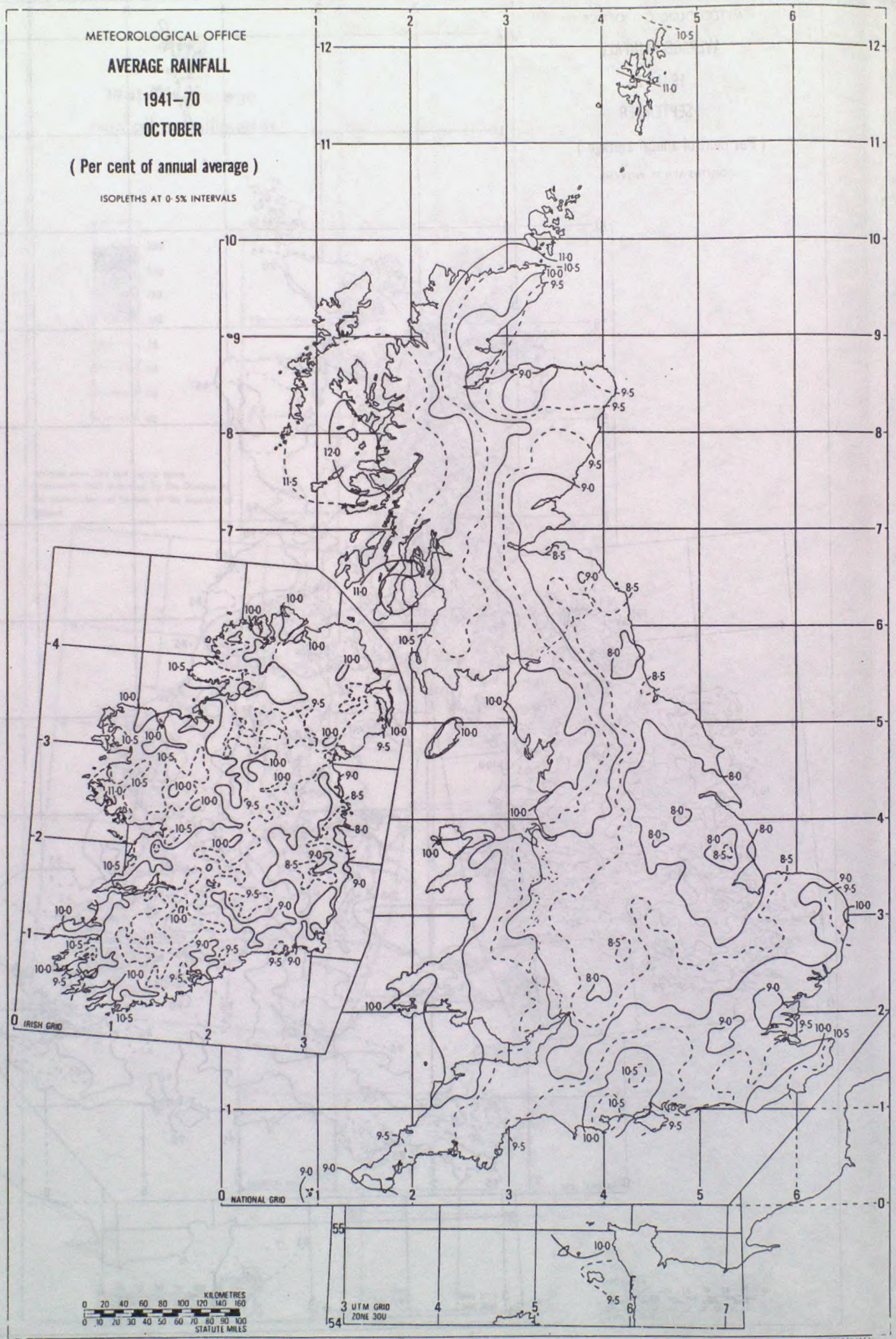
1941–70

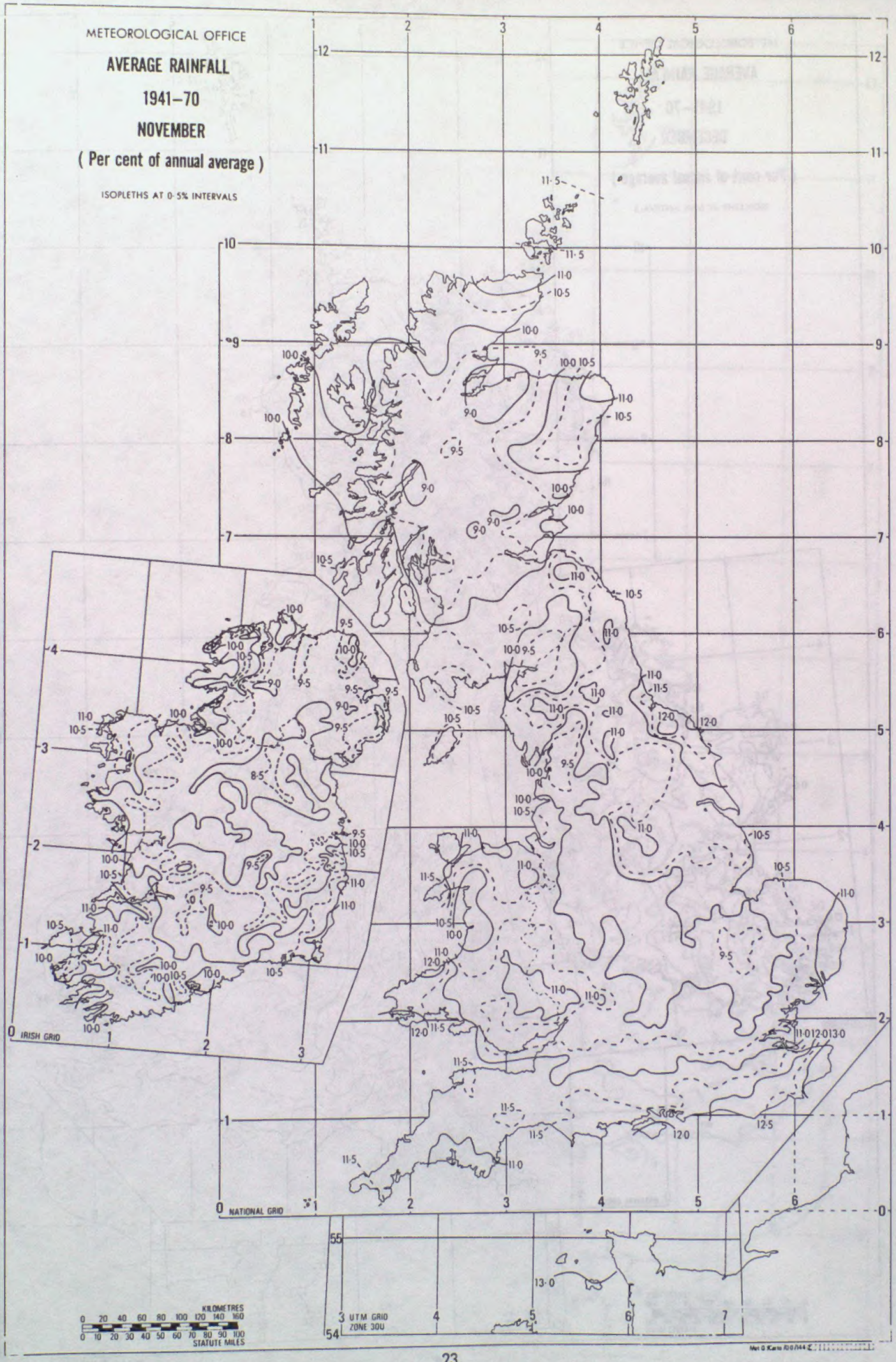
SEPTEMBER

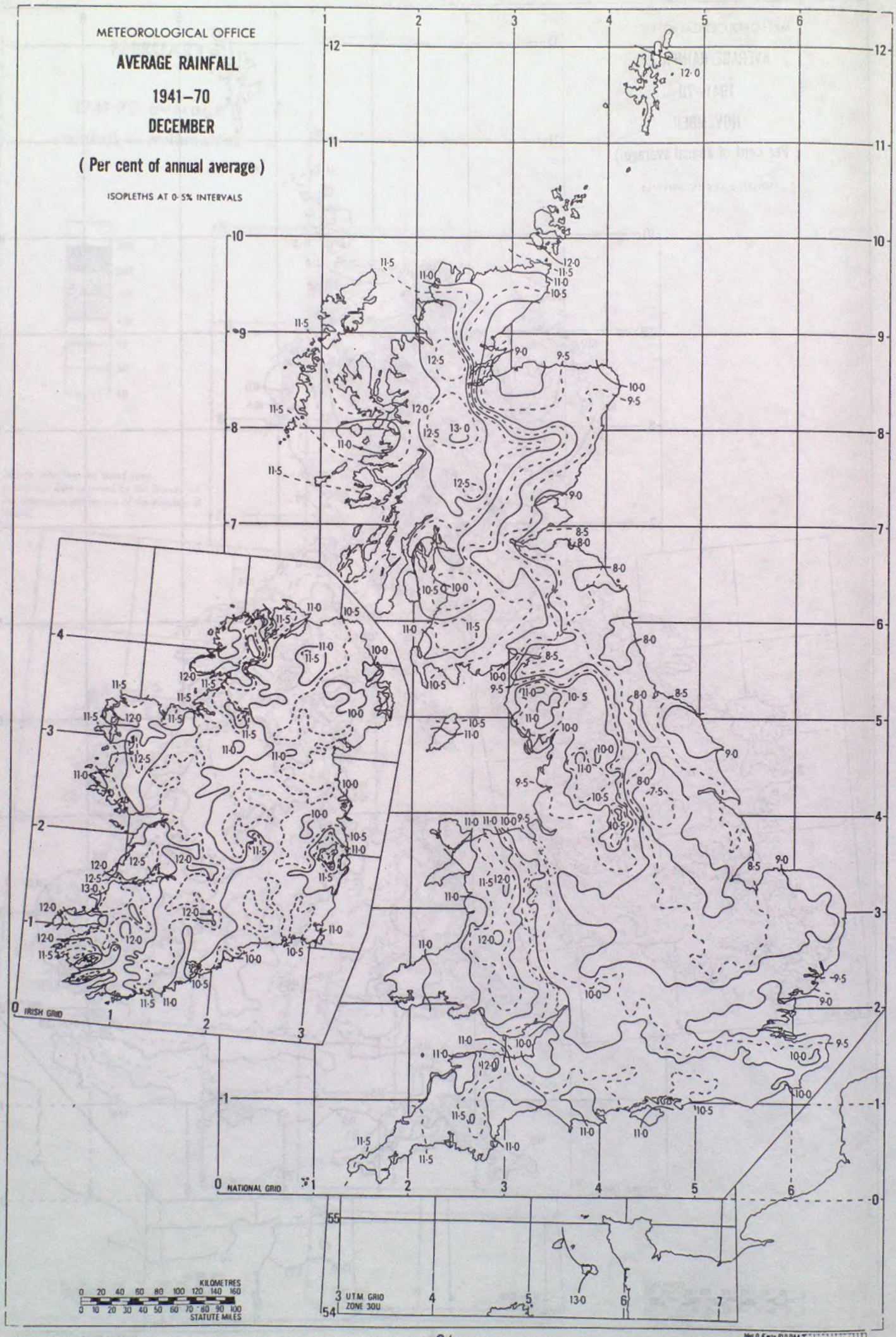
(Per cent of annual average)

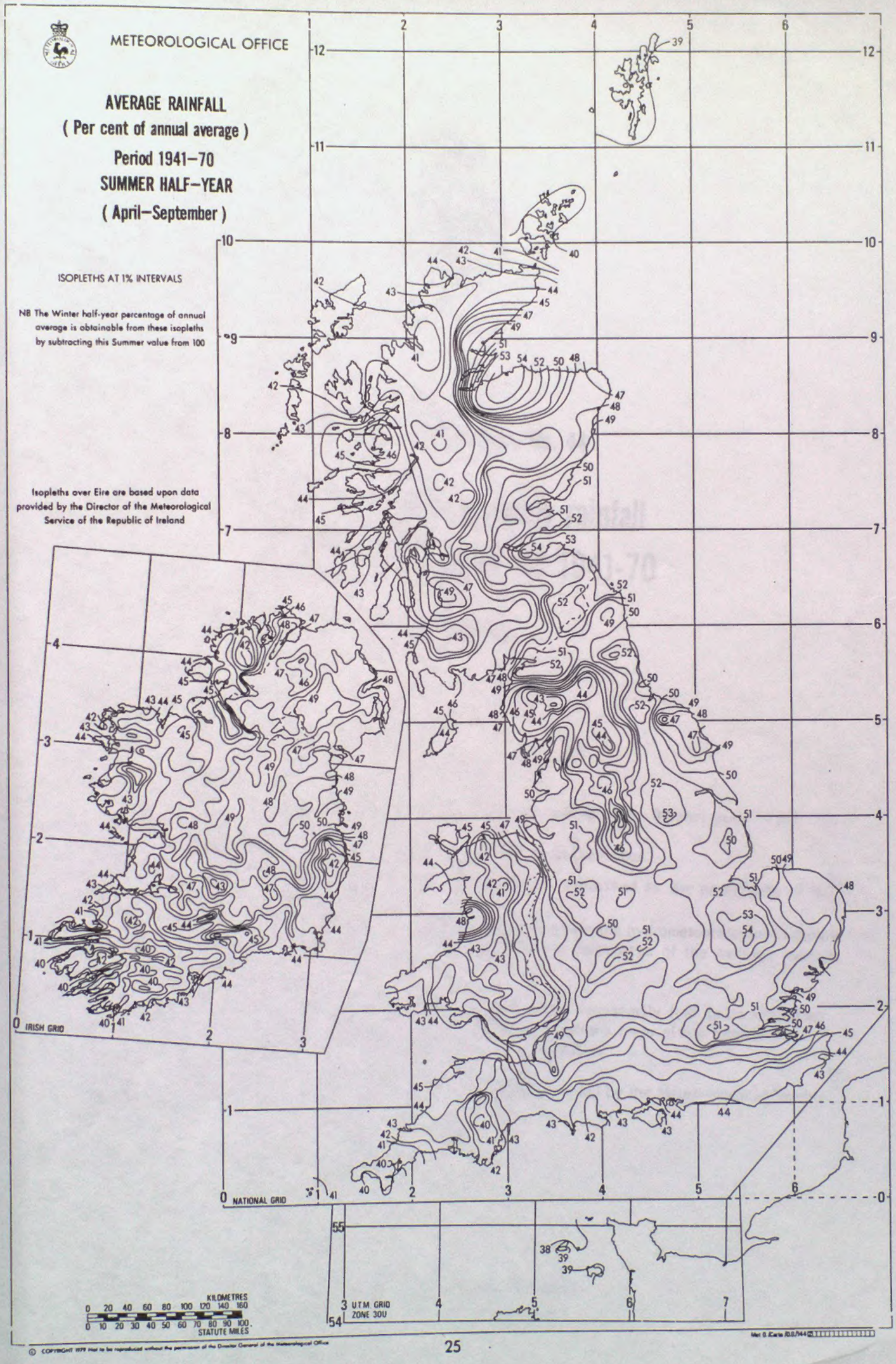
ISOPLETHS AT 0·5% INTERVALS




METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
OCTOBER
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
STATUTE MILES
0 10 20 30 40 50 60 70 80 90 100


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
NOVEMBER
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
3 UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES


METEOROLOGICAL OFFICE
AVERAGE RAINFALL
1941–70
DECEMBER
(Per cent of annual average)
ISOPLETHS AT 0·5% INTERVALS
IRISH GRID
NATIONAL GRID
UTM GRID ZONE 30U
KILOMETRES
0 20 40 60 80 100 120 140 160
0 10 20 30 40 50 60 70 80 90 100
STATUTE MILES



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